

21(4)

PHASE I BOOK EXPLOITATION

SOV/2432

Verkhovskiy, Boris Isaakovich

Primeneniye radioaktivnykh izotopov dlya kontrolya proizvodstvennykh protsessov (Use of Radioactive Isotopes for the Control of Production Processes) Moscow, Izd-vo AN SSSR, 1959. 82 p. (Series: Akademiya nauk SSSR. Nauchno-populyarnaya seriya) Errata slip inserted. 10,000 copies printed.

Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: L.D. Antonyuk; Tech. Ed.: S.G. Markovich.

PURPOSE: The book is intended for the general reader.

COVERAGE: The author discusses radioactive radiation and methods of measuring it. He also deals with principles and schematic diagrams of devices utilizing radioactive radiation for measuring the thickness and density of various materials, the chemical composition of solutions, gases, and alloys, the determination of the level of liquids and free-flowing materials in closed vessels, and mineral prospecting. No personalities are mentioned. There are no refer-

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Use of Radioactive Isotopes (Cont.)

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ences.

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3. Apparatus utilizing the ionizing ability of radioactive
radiation

63

4. Apparatus utilizing neutron sources

75

AVAILABLE: Library of Congress

Card 3/3

TM/bg
10-19-59

BARONIN, V.N.; BETIN, Yu.P.; VERKHOVSKILY, R.I.; IVANOV, A.I.; PEREL'MAN, S.M.;
PRAGER, I.A.; KHARLAKOV, V.A.; SHELKOV, L.S.

Crystallless X-ray spectrometer with stabilization of the position
of the amplitude of the spectrum of a proportional counter. Zav.
lab. 30 no.4:498-500 '64. (MIRA 17:4)

1. Konstruktorskoye byuro "TSvetmetavtomatika".

VERKHOVSKIY, B.I.; NEYMAN, M.B., dekter khimicheskikh nauk.

Measuring the thickness of materials by means of radioactive isotopes.
Vest.AN SSSR 26 no.6:89-91 Je '56. (MIRA 9'9)
(Radioisotopes--Industrial applications)

VERKHOVSKIY, B. I., (Cand. Tech. Sci.); SHUMILOVSKIY, N. N. (Prof.); IORDAN, G. G.

"Review of Possible Applications of Radioactivity in Automatics,"
paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of Automatic
Production, 15-20 October 1956.
Avtomatika i telemekhanika, No. 2, p. 182-192, 1957.

9015229

-4034
MEASURING THICKNESS AND DENSITY BY MEANS OF

RADIOACTIVE ISOTOPES. A. M. Sogachev, B. I.

Vorkhovskiy [Vorzhovskiy], and A. N. Khararov, p. 105-11

of CONFERENCE OF THE ACADEMY OF SCIENCES OF

THE USSR ON THE PEACEFUL USES OF ATOMIC ENERGY

JULY 1-5, 1958, SESSION OF THE DIVISION OF TECH-

NICAL SCIENCE. (Translation). 10p.

This paper was originally abstracted from the Russian
and appeared in Nuclear Science Abstracts as NSA 9-1806

3

Printed

VERKHOVSKIY, B.I.

BOGACHEV, A.M.; VVERHOVSKIY, B.I. ; MAKAROV, A.N.

Theory of radioactive methods used for measuring thickness. Zav.
lab. 21 no. 7: 808-812 '55. (MIRA 8:10)
(Measuring instruments) (Radioisotopes--Industrial applications)

VERKHOVSKIY, B.I.

BOGACHEV, A.M.; VERKHOVSKIY, B.I.; MAKAROV, A.N.

Radioactive thickness gauges for measuring rolled steel. Zav.lab.
(MIRA 8:10)
21 no.7:813-820 '55.

1. Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR i
TSentral'naya laboratoriya avtomatiki Ministerstva chernoy metal -
lurgii SSSR
(Measuring instruments) (Radioisotopes--Industrial applications)

S/120/60/000/006/005/045
E032/E514

21.5300 (2816,1033,1138)
AUTHORS: Betin, Yu.P., Verkhovskiy, B. I., Zelevinskaya, N.G.
and Yakushin, V. V.

TITLE: A Method for Increasing the Accuracy of Measurement of
the Intensity of Radioactive Emission

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.6, pp.23-27

TEXT: The principle of the method is as follows. The radiation detector is irradiated both by the radiation under investigation (intensity n_1) and the radiation from a standard source (intensity n_2). The total electrical signal produced in the detector under the action of the two radiations is fed into a common electronic device at the output of which two signals are separated out. The magnitude of one of them (U_1) is proportional to the sum of the two intensities and the magnitude of the second (U_2) is proportional to the standard intensity only. The signal U_1 is used to determine the intensity of the radiation under investigation, whilst the signal U_2 is used in the automatic control of the readings and their correction. The automatic correction of the readings is carried out by measuring the ratio U_1/U_2 . In order to be able to separate out the signals U_1 and U_2 at the

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S/1201000/006/005/315

E03/E514

A Method for Increasing the Accuracy of Measurement of the Intensity
of Radioactive Emission

output of the device, the magnitude of the control beam of radiation is periodically varied. The block diagram of the instrument is shown in Fig.1. The detector 1 is irradiated from the left by the radiation under investigation and from below by the control beam due to the additional source S_k . The control beam is modulated with a frequency ω_0 using a rotating absorber as shown in Fig.1. If the intensity of the control beam follows the law $n_k(t) = n_k(1 + \sin \omega_0 t)$, then the signal at the anode of the photomultiplier, across the load resistance of the ionization chamber, is of the form $U = U_m + U_k(1 + \sin \omega_0 t)$. The constant component $U_m + U_k$ is thus proportional to the sum of the two intensities, while the amplitude of the variable component U_k is proportional to the intensity of the control beam. The total signal U is fed into a dynamic capacitor 2 in which it is transformed into an alternating signal with a frequency $\omega_1 \gg \omega_0$ and is then amplified by the main amplifier 3. The amplifier is followed by a linear detector 4 which produces at its output the constant voltage

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E032/E514

A Method for Increasing the Accuracy of Measurement of the Intensity
of Radicactive Emission

$U_1 = (U_{\alpha} + U_k) kk'_1$, where k is the product of the voltage transformation coefficient of the dynamic capacitor α and the amplification coefficient of the amplifier 1, and k'_1 is a coefficient depending on the parameters of the detector. The component of the signal having a frequency ω_0 leaves the detector 4 into the amplifier 5 which is followed by a further detector 6; the latter isolates the constant voltage $U_2 = U_k k'' k'_1 H_2$, where k_H is the amplification coefficient of the amplifier 5 and k''_1 and k'_2 depend on the parameters of the detectors 4 and 6. The voltages U_1 and U_2 are fed into the electronic potentiometer 7, which is connected in such a way that its amplifier sees the difference between U_1 and a fraction of U_2 , which is applied to the rheochord of the potentiometer. The potentiometer is so arranged that its indications satisfy the condition

$$\frac{U_1}{U_2} = r/R = p \quad (1)$$

where R is the resistance of the rheochord and r is a fraction
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S/120/60/000/006/005/045
E032/E514

A Method for Increasing the Accuracy of Measurement of the Intensity
of Radioactive Emission

of this resistance which feeds the amplifier of the potentiometer. The ratio r/R is shown directly by the potentiometer. It is shown that changes in the parameters of the detector of the radiation, the dynamic capacitor and the main amplifier have no effect on the measurements. Details are given of the basic circuits involved and some experimental tests performed with the apparatus. There are 4 figures and 2 Soviet references.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute AS USSR)

SUBMITTED: September 26, 1959

Card 4/4

L 25572-66 EWT(m)/EWP(t)/EWA(h) DIAAP JD

ACC NR. AM6013004

Monograph

UR/

35
B+1

Shumilovskiy, Nikolay Niklayevich; Betin, Yurii Pavlovich;
 Verkhovskiy, Boris Isaakovich; Kalmakov, Andrey Alekseyevich;
 Mel'itser, Lev Vladimirovich; Ovcharenko, YEvgeniy Yikovlevich

19
Radioisotope and X-ray spectral methods (Radioizotopnyye i rentgenospektral'nyye metody) Moscow, Izd-vo "Energiya", 1965.
 190 p. illus., biblio. 4500 copies printed. Series note: Fizicheskiye i fizikokhimicheskiye metody kontrolya sostava i svoystv veshchestva

TOPIC TAGS: x-ray analysis, x-ray spectroscopy, x-ray technique, messbauer effect, radiation detection, neutron source

PURPOSE AND COVERAGE: The book is intended for people interested in radioisotopes and x-ray spectroscopy. It may also be useful for students specializing in spectroscopy and radioisotopes at technical schools of higher education. The first part of the book deals with the principles of operation, calculation methods, and design of radioisotope instruments, based on use of absorption and scattering effects of beta and gamma radiation, excitation of secondary radiation, and the use of neutron sources. The second part is devoted to methods of x-ray spectroscopy. Physical fundamentals of these methods are reviewed, ways for reducing measurement errors given,

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and examples of the industrial use of x-ray spectral analyzers
discussed.

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Ch.1. Interaction of nuclear radiation with matter -- 7

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radiation -- 37

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Ch.5. Methods based on the use of neutron fluxes -- 94

Ch.6. The use of Messbauer effect -- 123

Part II. X-Ray Spectral Instruments and Methods of Analysis

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Ch.7. The principles of x-ray spectral methods of analysis -- 129

Ch.8. Sources of errors and means for increasing the accuracy during
x-ray spectral analysis -- 143

Ch.9. X-ray spectral devices and their application -- 160

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SUB CODE: 18/ SUBM DATE: 25Oct65/ ORIG REF: 109/ OTH REF: 081

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VERKHOVSKIY, B.S.

Multidimensional problems of linear programming similar to the
transportation problem. Dokl. AN SSSR 151 no.3:515-518 J1
'63. (MIRA 16:9)

1. Institut kompleksnykh transportnykh problem Gosplana SSSR.
Predstavлено академиком А.И.Бергом.
(Linear programming)

VERKHOVSKIY, B.S.

Algorithm for the optimization of production and the distribution
of inhomogeneous products. Dokl. AN SSSR 152 no.3:515-518 S '63.
(MIRA 16:12)

1. Institut kompleksnykh transportnykh problem Gosplana SSSR.
Predstavлено академиком А.А.Дороднитским.

ACCESSION NR: AP4036717

8/0020/64/156/002/0282/0285

AUTHOR: Verkhovskiy, B. S.

TITLE: On a multi-index transport problem with axial sums

SOURCE: AN SSSR. Doklady*, v. 156, no. 2, 282-285

TOPIC TAGS: multi index transport, transport problem, axial sum, integral solution, optimal integer, nontrivial component, linear form

ABSTRACT: In this paper the problem of minimization of the linear form

$$\sum_{i_1 \dots i_s} P_{i_1 \dots i_s} x_{i_1 \dots i_s} \quad (1)$$

is investigated under the conditions that $x_{i_1 \dots i_s} \geq 0$ and

$$\sum_{i_1 \dots i_s} x_{i_1 \dots i_s} = a^{(1)}, \quad \sum_{i_1 \dots i_s} x_{i_1 \dots i_s} = a^{(2)}, \quad \sum_{i_1 \dots i_s} x_{i_1 \dots i_s} = a^{(3)}, \quad (2)$$

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ACCESSION NR: AP4036717

where for all specified i_k , the summations are carried out from 1 to n_k , $i_l=1, \dots, n_l$; $l=1, \dots, s$; $0 \leq \alpha_{i_l}^{(l)} < \infty$. The solution to the problem, $T_{s-1}(s)$ required that

$$\sum_{i_1=1}^{n_1} a_{i_1}^{(1)} = \sum_{i_2=1}^{n_2} a_{i_2}^{(2)} \text{ for all } 1 \leq i_1 \leq i_2 \leq s. \quad (3)$$

in order to satisfy the conditions of compatibility. If all $\alpha_{i_l}^{(l)}$ are integrals,

then the problem has at least one supporting integral solution; optimum integral solutions, however, do not always exist. Through a series of mathematical arguments, it was concluded that for any i_k and i_t

$$\sum_{i \in I_k} \hat{a}_{i_l}^{(k)} + \sum_{i \in I_t} \hat{a}_{i_k}^{(t)}.$$

if $\epsilon < \frac{\delta}{n_s}$ where

$$\delta = \min_{I_k, I_t} \left| \sum_{i \in I_k} a_{i_l}^{(k)} - \sum_{i \in I_t} a_{i_k}^{(t)} \right| > 0.$$

The author expressed gratitude to D. B. Yudin and Ye. G. Gol'shteyn for their valuable comments. Orig. art. has: 21 formulas and 5 theorems.

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ACCESSION NR: AP4036717

ASSOCIATION: none

SUBMITTED: 06Jun63

DATE ACQ: 03Jun64

ENCL: 00

SUB CODE: MA, DP

NO REF Sov: 001

OTHER: 001

Cord 3/3

VERKHOVSKIY, B.S.

Distribution of nonuniform products allowing for the processing capacity of intermediate stations. Dokl. AN SSSR 158 no.1:17-20
S-0' 64 (MIRA 17:8)

1. Tsentral'nyy ekonomiko-matematicheskii institut AN SSSR.
Predstavлено академиком V.S. Nemchinovym.

RECEIVED 10/25/1988 BY [redacted]

10/25/1988 BY [redacted]

1A

NOTES: Work by [redacted]

TOPIC: Linear programming

SCOTT: An initial problem in linear programming

TOPIC: Linear programming

Abstract: The author presents a method for calculating the minimum

of a function to a linear-inequality problem in linear programming

He proceeds on the basis of the minimization of the functional

$$L = \sum_{i=1}^n c_i x_i$$

for the conditions

$$\begin{aligned} & \sum_{i=1}^n b_{ij} x_i \leq d_j, \quad j = 1, 2, \dots, m \\ & x_i \geq 0, \quad i = 1, 2, \dots, n \end{aligned} \quad (1)$$

ADDRESSING NO. AP50185²

persons who have been asked to do something like a linear
programming exercise. And so the first thing I would say is that the first of all
is that it is important to understand what the limitations of the computer
are. In particular, one of the main limitations of the computer
is the number of constraints that can be handled. There are other limitations
involved with running large programs, such as memory limitations.

The author assumes the existence of $\bar{N} \neq \emptyset$ such that $M \cap \bar{N} \neq \bar{N}$,
whence all the limitations of the "jettison" appear in the form of inequalities;
for a basis of procedure he assumes $M \cap \bar{N} = \bar{N}$.

The author considers $\prod_{k=1}^{n_k}$ independent problems:

$$\sum_{i \in M_k} a_{ik}^T x_i \leq b_{M_k, k}, \quad k = 1, \dots, n_k, \quad \text{such that } M \cap \bar{N} = \bar{N}; \quad (4)$$

$$y_{l_1, \dots, l_r} > 0, \quad l_1, \dots, l_r \in \bar{N}.$$

In (4) and (5) all the initial parameters $a_{ik}, b_{M_k, k}, y_{l_1, \dots, l_r}$ are fixed.

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ACCESSION NR: AP5018553

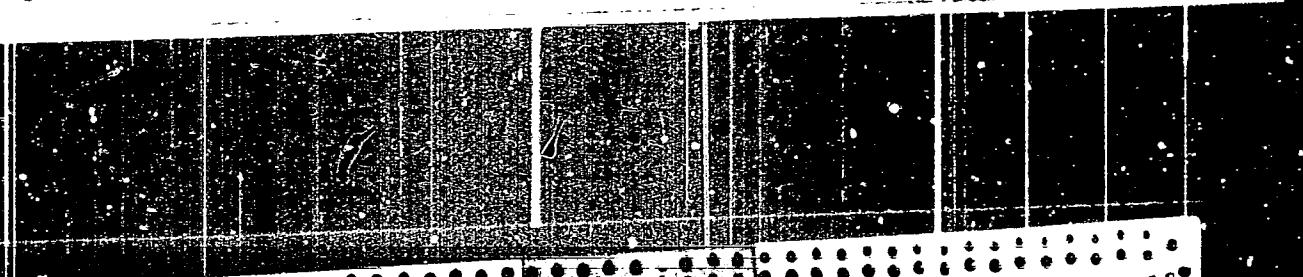
$$M^{(r)} \setminus M_{I_r}^{(r)} \subset \bigcap_{I \in J_r} M_I^{(r)}, \text{ where } J_r = J_{r-1} \setminus I_r$$

then a given one-index problem of transport type has a permissible solution if and only if the conditions of componibility are met

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CIA-RDP86-00513R001859510014-7"

VERKHOVSKIY, G. [Viarkhouski, H.] ; KHANINA, Ye.

It's good. Rab. i sial. 35 no.12:4-5 D '59 (MIRA 13:3)
(Minsk--Tractor industry) (Hours of labor)

GONCHAROV, A.; DOBRYNIN, I.; VERKHOVSKIY, G.; PREKIN, G.; YEGURMYY, S.

Readers' letters. Izobr. i rats. no. 5:2-3 My '61. (MIRA 14:5)

1. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Zavoda podzemno-transportnogo oborudovaniya imeni S.M. Kirova, g. Leningrad (for Goncharov). 2. Korrespondent zhurnala "Izobretatel' i ratsionalizator", g. Sverdlovsk (for Dobrynin). 3. Redaktor mnogotirazhnay gazety "Traktor", g. Minak (for Verkhovskiy). 4. Redaktor Byuro tekhnicheskoy informatsii Mordovskogo sovnarkhoza, g. Saransk (for Prekin). 5. Predsedatel' oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g. Chelyabinsk (for Yegurnyy).
(Technological innovations)

USSR/Medicine - Tuberculosis, larynx Jul/Aug 49

Vitamin D₂

"Case of Successful Treatment of Tubercular Lupus Vulgaris of the Larynx With Vitamin D₂," G. Ya. Verkberksiy, M. I. Filippov, Chair of Otorhinolaryngol, Chair of Skin and Venereal Diseases, Yaroslavskiy Med Inst, 2 pp

"West Otto-Rino-Laringol" No 4

Gives case history of patient who first came to clinic with syndrome of dry cough, inflammation of mucous membrane of the larynx, soft palate, etc., which developed into lupus vulgaris of the larynx. treatment with chrysoglan and X-rays produced no 151T83

USSR/Medicine - Tuberculosis, larynx Jul/Aug 49
(Contd)

Lasting results. Daily dose of 200,000 units of Vitamin D₂ for 120 or 125 days spent in the clinic following a relapse produced positive results. Dir, Chair of Otorhinolaryngol: Prof V. G. Yermolayev. Dir, Chair of Skin and Venereal Diseases: Prof P. M. Zalkan.

151T83

VERKBERKSIIY G. YA

G. Ya.

VERKHOVSKIY, G.I.

Convenient table for practical studies of students in
otolaryngology. Vest. otorinolar. no.5:80-81 Sept-Oct
1950. (CLML 20:1)

1. Of the Department of Oto-Rhino-Laryngology (Head -- Prof.
V. G. Yermolayev), Yaroslavl' Medical Institute, Yaroslavl'.

VERKHOVSKIY, I., kand.ekon.nauk

Requirements of life. Avt.transp. 40 no.3:4-7 Mr '62.
(MIRA 15:2)

1. Gosekonomsoviet.
(Transportation, Automotive)

VERKHOVSKIY, I., kand.ekonomiceskikh nauk

Automotive transportation is a part of the unified transportation
system. Avt.transp. 41 no.211-4 F '63. (MIRA 16:2)
(Transportation)

VERKHOVSEY, I., kand. ekonom. nauk

Reduction of idle trips is the most urgent problem of the
national economy. Avt. transp. 43 no.10:1-3 O '65.
(MIRA 18:10)

VERKHOVSKIY I.

VERKHOVSKIY, I., kandidat ekonomiceskikh nauk.

Analyzing the fulfilment of freight haulage plans and the utilization
of trucks. Avt. transp. 35 no.8; 5-7 Ag '57. (MLRA 10:9)
(Motortrucks)

VERKHOVSKIY, I.

Use all potentialities in carrying out the plan. Avt.transp. 42
no.2:1-3 F '64. (MIRA 17:3)

VERKHOVSKIY, I., kandidat ekonomicheskikh nauk.

Sources and factors in the cost reduction in automobile transportation.
Avtomobil' 25 no.12:7-11 D '47. (MIRA 6:9)
(Transportation, Automotive)

VERKHOVSKIY, I., kand. ekon. nauk.

Conditions and outlook for development of automobile transportation
in Eastern Siberia. Avt. transp. 36 no. 11:33-35 N '58. (MIRA 11:11)
(Siberia, Eastern--Transportation, Automotive)

VEERHOVSKII, I.A.

Outlook for the development of interurban automotive freight
transportation, Trudy MIFI no.20:9-18 163. GMIU 17.3.

VERKHOVSKIY I. A.

Analysis of the production and financial operations Moskva, Izd-vo Ministerstva
kommunal'nogo khozaiistva RSFSR, 1948. 91 p. (49-52238)

HE5675.A6v4

VERKHOVSKIY, I.

Cand. Economic Sci.

"Comparative analysis of the net cost of
automobile transportation,"Avtomobil',
No, 8, 1948.

VERKHOVSKIY, I.

Rezervy perevypolneniya plana i snizheniya sebestoimosti perevozki gruzov.
[Resources for plan overfulfilment and for reduction of cost of freight transport.]
(Avtomobil', 1950, no.7, p.3-4) DLC: TL4.A87

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

VYISKOVSKIY, I. A.

Technology

Development of the movement of one-hundred-thousand-kilometer chauffeurs, Moskva, Gos.
nauchno--tekhn. izd-vo mashinostroit. lit-ry, 1951.

Monthly List of Russian Accessions, Library of Congress March 1952. Unclassified.

VERKHOVSKIY, I. A.

Statistika avtomobil'nogo transporta [statistics of automobile transport] Moskva,
Izd-vo Ministerstva kommunal'nogo khozyaystva RSFSR, 1953.
351 p. Tables.

SO: M/5
783.36
.V52

VIRKHOVSKIY, I., kandidat ekonomicheskikh nauk

Development of all-purpose automotive transport and planning freight
haulage. Avt.transp.33 no.7:5-7 Jl'55. (MIRA 8:12)
(Transportation, Automotive)

VERKHOVSKIY, I., kandidat ekonomiceskikh nauk.

For more complete and better satisfaction of the demands of the economy for freight transport. Avt.transp. 34 no.4:9-10 Ap '56.
(MLBA 9:8)

(Transportation, Automotive)

RABINOVICH, A.L. (Moskva); VERKHCOVSKIY, I.A. (Moskva)

Elastic constants of oriented glass reinforced plastics. Inzh.
(MIRA 17:4)
zhur. 4 no.1:90-100 '64.

S/0258/64/004/001/0090/0100

ACCESSION NR: AP4026957

AUTHORS: Rabinovich, A. L. (Moscow); Verkhovskiy, I. A. (Moscow)

TITLE: On elastic constants of oriented fiber glass

SOURCE: Inzhenernyy zhurnal, v. 4, no. 1, 1964, 90-100

TOPIC TAGS: plastic, glass fiber, modulus of elasticity, Poisson ratio, SVAM
plastic

ABSTRACT: Type SVAM plastic with highly oriented glass fibers has been used with BF-4 binder to determine the modulus of elasticity E and Poisson's ratio μ experimentally. The material was extruded under 30 kg/cm^2 pressure, 1600 polymerization temperature, and 15-minute aging time. In all, five cross-fibered sheets and one unidirectional sheet were used. First, the elasticity constants of an elementary (single lamina) layer were determined, using approximate formulas defining these constants as a function of glass fiber elasticity and relative binder content. A good agreement was obtained with experimental measurements. Next, the four independent constants of a laminated fiber glass were calculated and were shown to satisfy the theoretical formulas for monolithic structured materials.

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ACCESSION NR: AP4026957

ACCESSION NR: AP4026957
Both E and μ in this case were shown to depart from experimental values. This is attributed to anomalies arising at the free boundary of the specimen not accounted for in the theory. Orig. art. has: 17 formulas, 5 figures, and 3 tables.

ASSOCIATION: none

SUBMITTED: 23 Mar 63

SUB CODE: MA

DATE AQ: 15 Apr 64

NO REF SOV: 017

ENCL: 00

OTHER: 000

Card 2/2

KALABUKHOV, F.V.; SEMIKIN, N.V.; SHUL'MAN, A.S.; BRAZOVSKAYA, T.I.; MIZINOV, V.N.; BASH, M.S.; BRONSHTEYN, L.A.; POLCHANINOV, P.V.; VERKHOVSKIY, I.A.; KOROL'KOV, A.I.; GERONIMUS, B.L.; STRYZHKOVA, N.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Principles of the economics of automotive transportation; for the aid of those studying the economics of automotive transportation] Osnovy ekonomiki avtomobil'nogo transporta; v pomoshch' izuchaiushchim ekonomiku avtomobil'nogo transporta. Moskva, Avtotransizdat, 1963. 357 p. (MIRA 17:3)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii proizvodstva Moskovskogo avtomobil'no-dorozhnogo instituta (for Bronshteyn).

VERKHOVSKIY, Igor' Aleksandrovich, kand. ekon. nauk; STRYZHKOVA, N.I.,
red.; BODANOVA, A.P., tekhn. red.

[Statistics of automotive transportation] Statistika avtonom-
bil'nogo transporta. Moskva, Avtotransizdat, 1963. 378 p.
(MIRA 16:7)

(Transportation, Automotive--Statistics)

ZAGLYADIMOV, D.P.; USHAKOV, S.S.; VERKHOVSKIY, I.A.; ORLOV, D.A.;
KOSOBREYEV, S.I.; RYZHKOV, A.S., red.; GERASIMOVA, Ye.S.,
tekhn. red.

[Development of the unified transportation system in the
U.S.S.R.] Razvitiye edinoi transportnoi seti SSSR. Moskva,
Ekonomizdat, 1963. 131 p. (Transportation) (MIRA 16:5)

VERKHOVSKIY, I.A., dotsent, kand.ekon.nauk

Role of automotive transportation in the unified transportation
network of the U.S.S.R. Trudy MIEI no.16:21-28 '61. (MIRA 14:12)
(Transportation, Automotive)

SHUKSTAL', Ya.V., kand. ekonom. nauk; VVERKHOVSKIY, I.A., kand. ekonom. nauk; FOMIN, V.M., kand. ekonom. nauk; MEZENEV, N.I., inzh.; DMITRIYEV, V.I., kand. ekonom. nauk; PADIYA, V.A., inzh.; Prinimali uchastiye: ZOTIKOVA, V.I., kand. ekonom. nauk; YELISEYEVA, T.V., inzh.; KUBLITSKAYA, V.Kh., inzh.; KUDRYAVTSEVA, T.N., inzh.; MEZENEV, N.I., inzh.; TIKHONCHUK, M.K., inzh.; FEDOSOVA, V.N., tekhnik; DOBSHTS, M.L., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.; LAUT, V.G., tekhn. red.

[Scope of the use of railroads and motorvehicles for short-distance freight haulage] Sfery primeneniia zheleznodorozhnoego i avtomobil'nogo transporta pri perevozke gruzov na korotkie rasstoianiia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 197 p. (MIRA 15:2)

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KURSHEV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VERKHOVSKIY,
I.A., red.; KASHKIN, V.I., red.; OSTROVSKIY, N.B., red.; POLCHANINOV,
P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn. red.

[Manual for highway transport workers; organization of operations of
automotive transportation units for passenger and freight transporta-
tion, operation and maintenance of rolling stock and traffic safety]
Spravochnik rabotnika avtomobil'nogo transporta; organizatsiya raboty
avtokhoziaistva, perevozki gruzov i passazhirov, tekhnicheskaya eksplu-
atatsiya avtomobil'nogo transporta i bezopasnost' dvizheniya. Moskva,
Avtotransizdat, 1961. 607 p.
(MIRA 14:12)

1. Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo tranporta i
shosseynykh dorog.
(Transportation automotive) (Traffic safety)

ARTEM'YEV, S.P.; APANAS'YEV, L.L.; BELOUSOV, I.I.; BENENSON, I.M.; BRONSHTEYN,
L.A.; BUYANOV, V.A.; VELIKANOV, D.P.; VERKHOVSKIY, I.A.; GORINOV,
A.V.; GOBERMAN, I.M.; DAVIDOVICH, L.N.; DECTEREV, G.N.; ZVONKOV,
V.V.; KALABUKHOV, F.V.; KOMAROV, A.V.; KUDRYAVTSEV, A.S.; LIV'YANT,
Ya.A.; PETROV, A.P.; PETROV, V.I.; TARANOV, A.T.; TIKHOMIROV, N.N.;
FEDOROV, V.F.; CHUDINOV, A.A.; SHUPLYAKOV, S.I.; YANKIN, Yu.S.

Anatolii Pavlovich Aleksandrov; obituary. Avt.transp. 38 no.9:57
(MIRA 13:9)
S '60.

(Aleksandrov, Anatolii Pavlovich, 1903-1960)

VERKHOVSKY, I

A

Statistika avtomobil'nogo transporta. Moskva, Izd-vo Ministerstva
Kommunal'nogo khozyaystva RSFSR, 1953.

351 p. Desgrs., forms, tables. 23 cm.

KURSHEV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VERKHOV-
SKIY, I.A., red.; KASHKIN, V.I., red.; OSTROVSKIY, N.B., red.; POL-
CHANINOV, P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn.
red.

[Manual of the automotive transportation worker; production and
finance planning, accounting and reporting in automotive transporta-
tion units] Spravochnik rabotnika avtomobil'nogo transporta; proiz-
vodstvennoe i finansovoe planirovanie, uchet i otchetnost' v avto-
khoziaistvakh. Red. kollegiia: L.A.Bronshtein i dr. Moskva, Avto-
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porta i shosseynykh dorog.

(Transportation, Automotive)

BARDIN, I.P., akademik, glavnnyy red. [deceased]; KHACHATUROV, T.S., oty. red.toma; SMIRNOV, A.P., zam.otv.red.toma; VVERKHOVSKIY, I.A., red. toma; NEKRASOVA, R.I., red.toma; TSERNIN, S.S., red.toma; LAVRENT'IEV, M.A., red.; VOL'FKOVICH, S.I., red.; DIKUSHIN, V.I., red.; NEMCHINOV, V.S., red.; VEITS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; ROSTOVTSSEV, N.F., akademik, red.; POPOV, A.N., red.; GRAFOV, L.Ye., red.; GASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'IEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand. tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-miner.nauk, red.; SHKOL'-NIKOV, M.G., kand.ekon.nauk, red.; RODINA, Ye.D., red.izd-vs; GUSEVA, A.P., tekhn.red.

[Transportation; proceedings of the Conference on the Development of Productive Forces of Eastern Siberia] Transport; trudy Konferentsii po razvitiyu proizvoditel'nykh sil Vostochnoi Sibiri. Moskva, Izd-vo Akad.nauk SSSR, 1960. 203 p. (MIRA 13:10)

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BARDIN, I.P.---(continued) Card 2.

1. Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri, 1958. 2. Chleny-korrespondenty AN SSSR (for Khachaturov, Veyts, Levitskiy, Nekrasov, Pustovalov). 3. Vsesoyuznaya akademiya sel'sko-khozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zam.predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashev). 7. Institut kompleksnykh transportnykh problem AN SSSR (for Khachaturov, Verkhovskiy, Nekrasova, TSenin, Smirnov).

(Siberia, Eastern--Transportation)

SHUKSTAL', Ya.V., kand.ekon.nauk; ZOTIKOVA, V.I., kand.ekon.nauk;
VERKHOVSKIY, I.A., kand.ekon.nauk; PARAKHONSKIY, B.M., kand.
ekon.nauk; SERUB'GA, A.M., assistent; KHACHATUROV, T.S., otv.
red.; SHENKMAN, B.I., red.izd-va; NOVICHKOVA, N.D., tekhn.red.

[Transportation costs in the national economy of the U.S.S.R.]
Transportnye izderzhki v narodnom khoziaistve SSSR. Moskva,
Izd-vo Akad.nauk SSSR, 1959. 127 p. (MIRA 12:11)

1. Chlen-korrespondent AN SSSR; direktor Instituta kompleksnykh
transportnykh problem Akademii Nauk SSSR (for Khachaturov).
(Transportation--Cost of operation)

VERKHOVSKIY, I., kand. ekon. nauk.

Analysing economic operations of automotive transport units. Avt.
transp. 36 no.3:21-23 Mr 58. (MIRA 11:3)
(Transportation, Automotive--Cost of operation)

VERKHOVSKIY, Igor' Aleksandrovich

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754.73
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PLANIROVANIYE PEREVOZOK GRUZOV AVTOMOBIL'NYM TRANSPORTOM OBRASHCHEGO PRED'ZO-VANIYA (PLANNING THE OVER-ALL ADVANTAGES OF FREIGHT HAULING BY MOTOR TRANSPORT) MOSKVA, AVTOTRANSIZDAT, 1956. 65 p. DIAGRS., TABLES.

VERKHOVSKIY, Igor' Alekseevich, kandidat ekonomicheskikh nauk; LIV'YANT,
Ya.A., redaktor; KOGAN, F.L., tekhnicheskiy redaktor.

[Planning freight hauling by general purpose trucks] Planirovanie
perevozok gruzov avtomobil'nym transportom obshchego pol'sozovaniia.
Moskva, Nauchno-tkhn.izd-vo avtotransp. lit-ry, 1956. 65 p.
(MLRA 10:4)

(Transportation, Automotive)

VERKHOVSKIY, Igor' Alekseevich, kand.ekonom.nauk; SEMIKIN, N.V., red.;
STRYZHKOVA, N.I., red.izd-va; GALAKTIONOVA, Ye.N., tekhn.red.

[Analysis of the production and financial operations of automotive
transportation units] Analiz proizvodstvenno-finansovoi deiatel'-
nosti avtokhoziaistv. Moskva, Nauchno-tekhn.izd-vo avtomobil'nogo
transp. i shosseinykh dorog RSFSR, 1960. 214 p.

(MIRA 13:12)

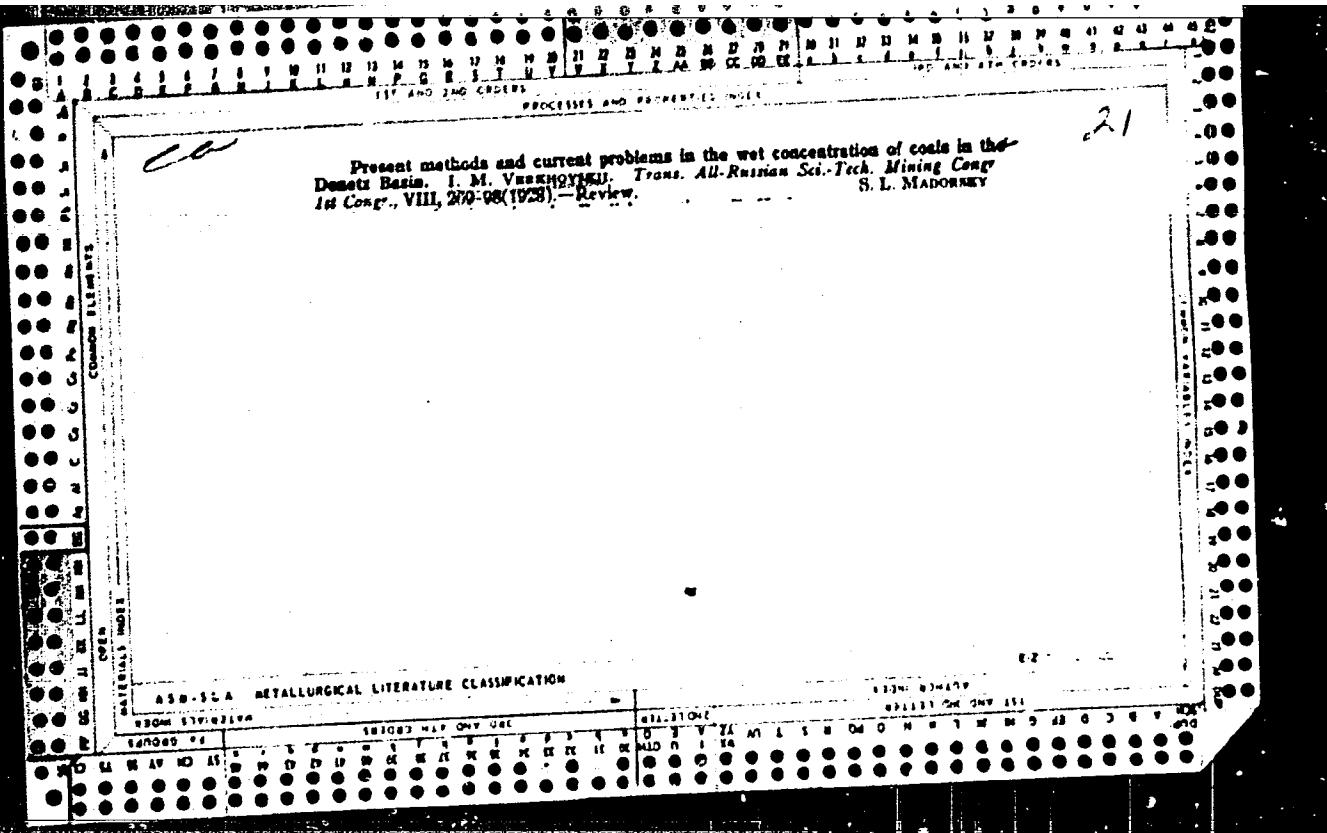
(Transportation, Automotive)

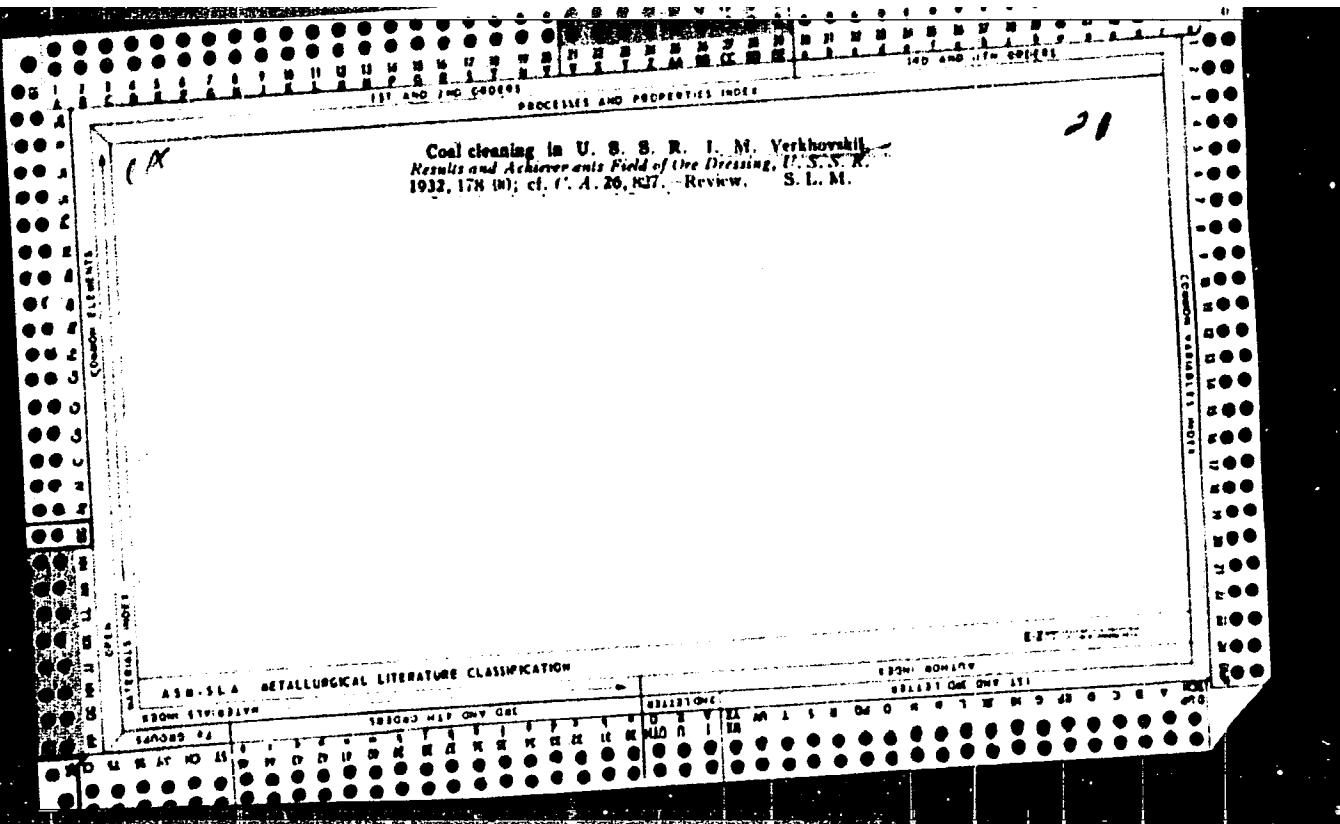
ALEKSANDROV, L.A.; AKSENOVA, Z.I.; ARTEM'YEV, S.P.; AFANAS'YEV, L.L.;
BONSHTEYN, L.A.; BURKOV, M.S.; BUYANOV, V.A.; VELIKANOV, D.P.;
VERKHOVSKIY, I.A.; GOHERMAN, I.M.; DAVIDOVICH, L.N.; DEGTEREVA,
G.N.; ZEMSKOV, P.F.; KAJABUKHOV, F.V.; KOLESNIK, P.A.; KOZHIN,
A.P.; KRAMARENKO, G.V.; KHUZE, I.L.; KURSHEV, A.N.; OSTRCVSKIY,
N.B.; PASHINA, S.N.; SEMIKIN, N.V.; TARANOV, A.T.; TIKHOMIROV,
A.K.; ULITSKIY, P.S.; USHAKOV, B.P.; FILIPPOV, V.K.; CHEEMYAVSKIY,
L.M.; CHUDINOV, A.A.; SHUPLYAKOV, S.I.; TIKHOMIROV, N.N.

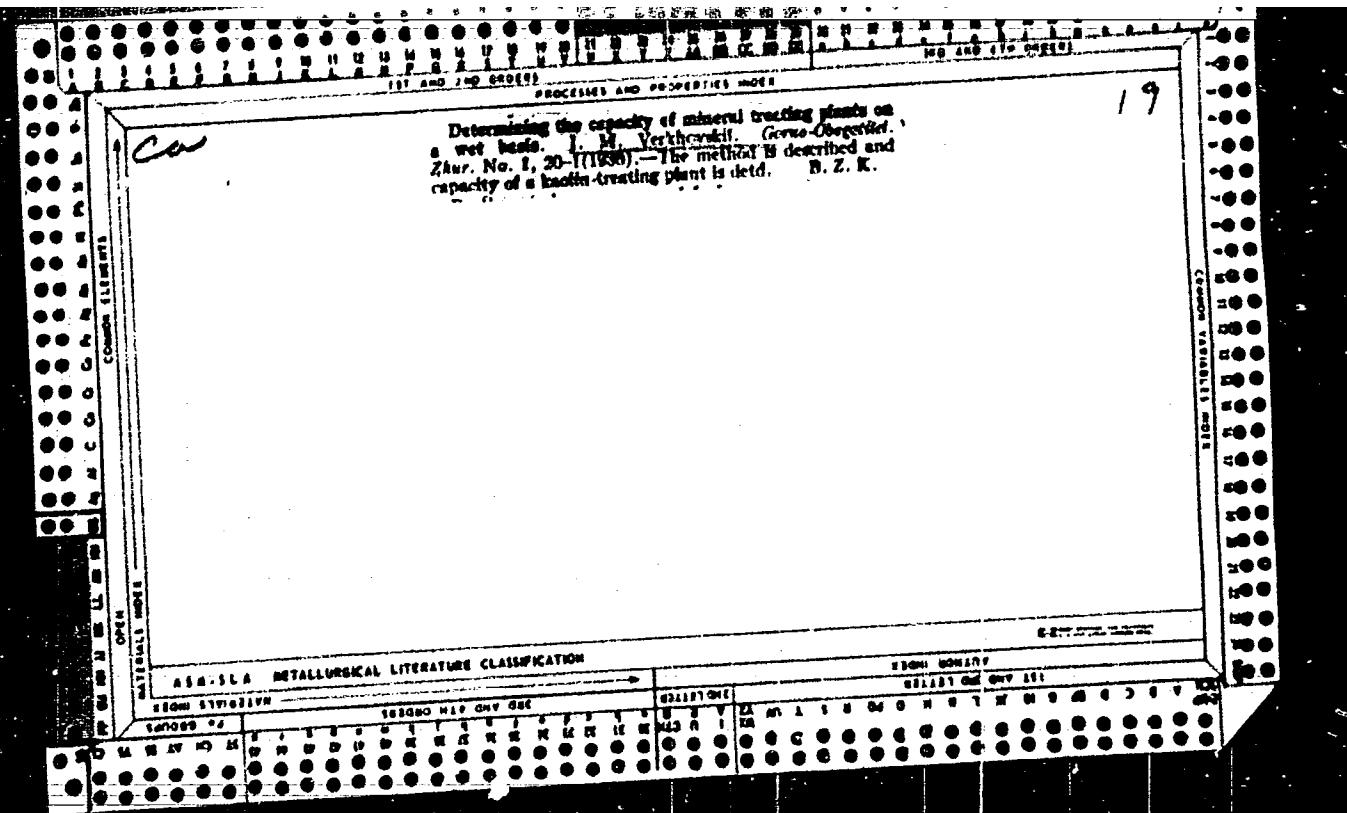
Petr Valerianovich Kaniovskii; obituary. Avt.transp. 37
no.4:57 Ap '59. (MIRA 13:6)
(Kaniovskii, Petr Valerianovich, 1881-1959)

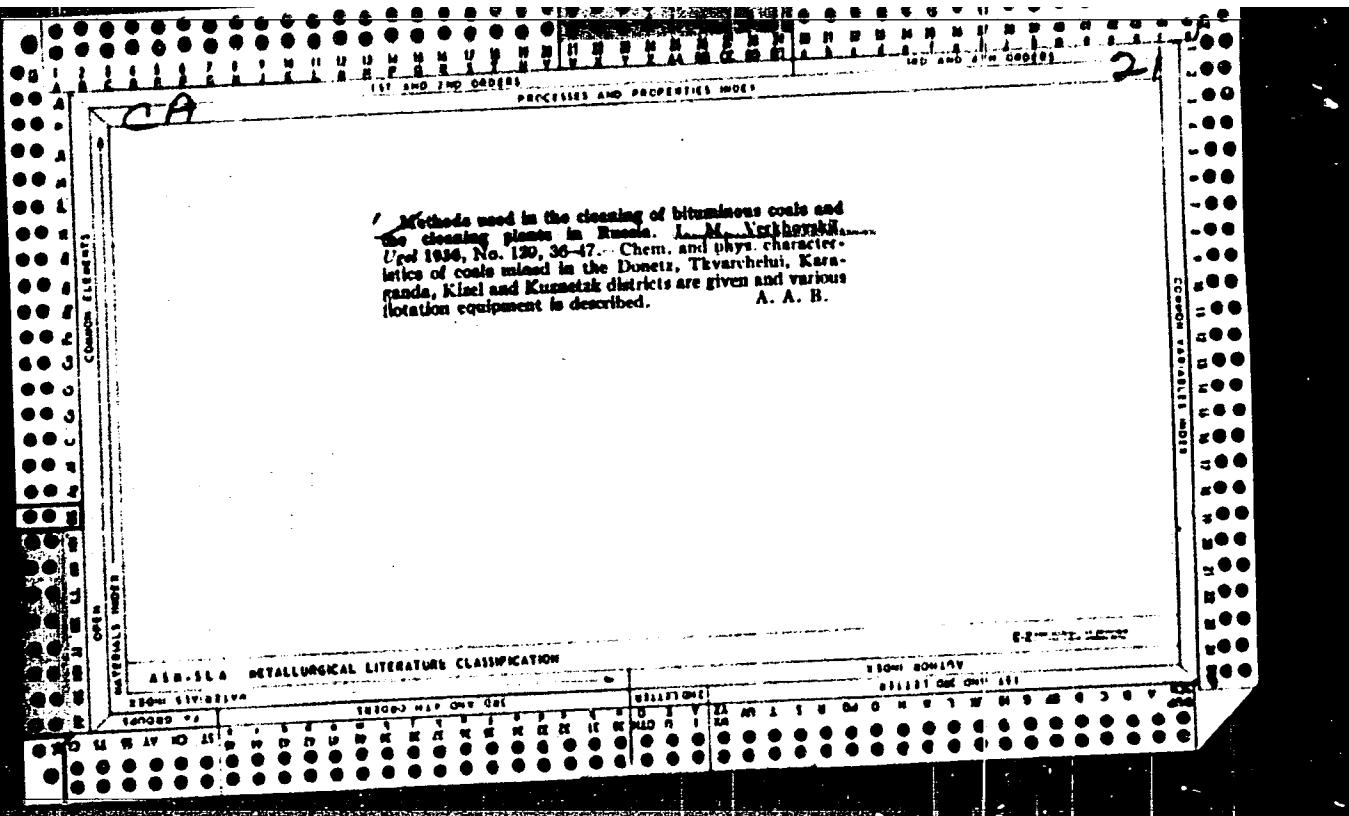
SOKOLOV, Vladimir Gennadiyevich; VERKHOVSKIY, I.M., laureat Gosudarstvennoy premii, prof., doktor tekhn. nauk, retsenzent; VESSEL'MAN, S.G., prof., doktor tekhn. nauk, retsenzent; KHIVAN, V.I., kand. tekhn. nauk, retsenzent; SHEVCHENKO, N.P., inzh., retsenzent; OL'FERT, A.I., red. izd-va; MAKSIMOVA, V.V., tekhn.red.; OVSEYENKO, V.G., tekhn.red.

[Curves of beneficiation properties of coals] Krivye obogatimosti uglei. Moskva, Gosgortekhizdat, 1962. 88 p. (MIRA 15:12)
(Coal preparation)









VERKHOVSKY, I. V., (Professor) Dr. Tech. Sci.

Dissertation: "Fundamentals of the General Theory and Technological Calculation
of Mineral Dressing Processes." Moscow Mining Inst., imeni I. V. Stalin, 23 Jan 47.

SO: Vechernaya Moskva, Jan, 1947 (Project #17036)

VERKHOVSKIY, I. M., Prof.

Filters and Filtration

Theory and calculation of a vacuumdrum filter. Nauch. trudy Mosk. gor. inst. No. 8, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952.
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VERKHOVSKIY, I.M.; PLAKSIN, I.N., chlen-korrespondent.

Significance of contributions to the theory of wet gravitational con-
centration of coal by Russian scientists. Izv. AN SSSR Otd. tekh. nauk
no. 4:613-622 Ap '53. (MLRA 6:8)

1. Akademiya nauk SSSR (for Plaksin).

(Coal preparation)

VERKHOVSKIY, I.M., professor, doktor tekhnicheskikh nauk; KHVAN, V.I., gornyy
inzhener.

Concentrating unclassified coal fines by the method of rapid jiggling.
(MLRA 6:6)
Ugol' 28 no.6:37-41 Je '53.
(Coal preparation)

VERKHOVSKIY, I. M.

ANDREYEV, S.Ye.; BOKIY, B.V.; GORODETSKIY, P.I.; GREYVER, N.S.; SHCHUKIN, A.A.
GERONT'YEV, V.I.; SKOCHINSKIY, A.A.; TERPIGOROV, A.M.; SHEVYAKOV, L.D.;
SPIVAKOVSKIY, A.A.; VERKHOVSKIY, I.M.; VORONKOV, I.M.; YELANCHIK, G.M.;
KASHIN, N.V.; SLOBODKIN, M.I.; GOZENKOV, P.G.; ZEMSKOV, V.D.; NOVIKOV, F.S.
OSETSKIY, V.M.; SOSUNOV, G.I.; YASYUKHEVICH, S.M.; KHAN, G.A.; POPOV, V.M.

In memory of Professor Levenson. Gor. zhur. no. 9:60 S '55.
(MIRA 8:8)

(Levenson, Lev Borisovich, 1878-1955)

FISIMAN, Mikhail Aleksandrovich, dotsent, kandidat tekhnicheskikh nauk;
VERKHOVSKIY, I.M., retsenzent; SIMONOV, K.A., retsenzent; SLAVIN,
G.P., kandidat tekhnicheskikh nauk, retsenzent; MARGOLIN, I.Z.,
redaktor; YEDZOKOVA, M.L., redaktor izdatel'stva; ERELOV, A.P.,
tekhnicheskiy redaktor

[Principles of ore dressing] Osnovy obogashcheniya poleznykh isko-
paemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1956. 279 p.
(MLRA 9:11)
(Ore dressing)

VERKHOVSKIY, Prof. Dr. (Moscow)

"Die Anwendung des Setzens mit erhöhter Hubzahl die Sortierung schwer aufbereitbarer nicht klassierten Feinkohlen mit hohem Schwefelgehalt."

paper presented at the 7th Mining and Metalworkers Day meeting,
Bergakademie, Freiburg, 23-26 May 1956.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859510014-7

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859510014-7"

Verkhovskiy, I.M.

VERKHOVSKIY, I.M., professor, otvetstvennyy redaktor; SHCHENKO, G.N.,
tekhnicheskiy redaktor

[Ore dressing terminology] Terminologija obogashchenija tverdogo
iskopаемого сырья. Moskva, Izd-vo Akad.nauk SSSR, 1957. 19 p.
(Sborniki rekomenduemykh terminov. no.43) (MLRA 10:8)

1. Akademija nauk SSSR. Komitet tekhnicheskoy terminologii.
(Ore dressing--Terminology)

127-58-1-15/28

AUTHORS: Verkhovskiy, I.M., Professor, Doctor of Technical Sciences; Zemkov, V.D., and Vinogradov, N.N., Candidates of Technical Sciences; Arutinov, O.M., Engineer-Physicist

TITLE: Investigation by the Gamma-Location Method of Some Regularities in the Jigging Process (Issledovaniye nekotorykh zakonomernostey protsesa otsadki metodom gamma-lokatsii)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 53-56 (USSR)

ABSTRACT: Numerous versions of the "marked atoms" method employed at present do not make possible the study of the kinetics of the spatial motion of grains in media with different absorption coefficients. Therefore, the Chair of Concentration at the Moscow Mining Institute developed a new method, named "gamma-location", for the continuous study of mineral grain motion. The gamma-location method makes it possible to record continuously the spatial displacements of a particle under investigation into which a radioactive isotope with hard gamma-radiation is inserted. The block-diagram of the equipment is shown in Figure 1. The equipment consists of the following basic parts: 1) an indicator

Card 1/3

127-58-1-15/28

Investigation by the Gamma-Location Method of Some Regularities in the
Jigging Process

system; 2) an electronic computer; 3) an oscillograph; 4) a high-voltage stabilized amplifier, and 5) a stabilizer of voltage. The essence of the gamma-location method consists in that the spatial motion of the grains is broken-down into 3 coordinates, by means of special systems of indicators. The motion of the grain along each coordinate is continuously recorded as a function of time. The indicator systems consist of standard discharge counters situated according to a definite system, called "carpets". The electronic computer converts the pulses into direct current proportional to their frequency. It consists of several similar channels corresponding to the number of coordinates being measured simultaneously. The results permit the discovery of basic laws of grain motion in jigging machines. For instance, the graph of the motion of a heavy grain represents a monotonous function (shown in Figure 2) which indicates that the grain continuously sinks to the bottom layer. The motion of light grains has a "jump-like" character shown in Figure 3. Analysis of the results shows that the state of intermediate, slightly loosened layers

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127-58-1-15/28

Investigation by the Gamma-Location Method of Some Regularities in the
Jigging Process

(thickness and degree of loosening) is a criterion of the jigging process which determines the specific weight of separation and the quality of concentration products. The intermediate layers serve as a filter which passes down only grains of a definite specific gravity. The filtering properties of the intermediate layer depend upon many factors: specific gravity and size of the grains, the magnitude of hydrodynamic forces, and mechanical interaction forces between the grains. The establishment of the effects of these factors calls for extensive investigations. The article contains 1 figure, 2 graphs, and 7 references, of which 5 are Soviet and 2 English.

ASSOCIATION: Moskovskiy gornyy institut (Moscow Mining Institute)

AVAILABLE: Library of Congress

Card 3/3 1. Tracers-Applications 2. Isotopes (Radioactive)-Applications
 3. Gamma rays-Applications 4. Mining engineering-USSR

SOV-113-58-9-12/19

AUTHORS: Gendzekhadze, T.L., Verkhovskiy, I.M., Dzhoashvili, Zh.I.

TITLE: The Use of Induction Heating for the Thermic Improvement of
Piston Pins (Primeneniye induktsionnogo nagreva dlya termi-
cheskogo uluchsheniya porshnevyykh pal'tsev)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 9, pp 34-35 (USSR)

ABSTRACT: Experiments conducted by the Kutaisi Motor Vehicle Plant imeni Ordzhonikidze showed a method of saving material, and handling the operations and electric current in the induction heating of piston pins by intermittent cooling. The pins are heated for 5.8 to 6 seconds, cooled for 1.8 to 2 seconds with a final heating temperature of 920°C. After this the final surface hardness of the pins was $R_C = 30 \pm 40$. There are 2 diagrams, 2 graphs and 1 table.

ASSOCIATION: Kutaisskiy avtozavod imeni Ordzhonikidze (The Kutaisi Motor Vehicle Plant imeni Ordzhonikidze)

1. Piston pins--Induction heating

Card 1/1

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859510014-7

VERKHOVSKIY, I.M.; VINOGRADOV, N.N.; FILATOVA, S.M.; KOLESOV, E.I.; KOLLODIY,
K.K.; GOLOVNIN, Yu.M.; GANOV, V.S.; SOROKIN, A.I.

Device for controlling the degree of loosening of the bed in a
jigging machine. Gor. zhur. no.7:72 Jl '64. (MIRA 17:10)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859510014-7"

VERKHOVSKIY, I.M., prof.; KOROL'KOV, S.N., kand. tekhn. nauk

Using electronic methods for automatizing the separation of
rocks from large and medium-size coal classes. Izv. vys. ucheb.
zav.; gor. zhur. 6 no.10:93-100 '63. (MIRA 17:2)

1. Moskovskiy institut radioelektroniki i gornoj elektrotehniki.

VERKHOVSKIY, I.M., prof.; KNAUS, O.M., gornyy inzh.

Experimental study of the effect of the jigging cycle on the distribution by height of fractions of specific weight and size in the jig bed. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.41 145-159 '62. (MIRA 16:10)

VERKHOVSKIY, I.M., prof.; KHVAN, L.I., inzh.

Methodology of calculating the basic parameters of a movable ever-flew baffle for discharging the concentrate in jigging coal fines.
Izv. vys. ucheb. zav.; ger. zhur. 6 no.7:195-198 '63. (MIRA 16:9)

1. Moskovskiy institut radicelektroniki i gornoy elektromekhaniki.
Rekomendovana kafedroy sbogashcheniya poleznykh iskopayemykh Moskovskogo instituta radicelektroniki i gornoy elektromekhaniki.
(Coal preparation--Equipment and supplies)

MUSHLOVIN, Lev Borisovich; VERKHOVSKIY, I.M., prof., retsenzent;
LEVITSKIY, Ya.S., ovt. red.; MAKHOSHINA, Ye.A., red.izd-va;
SABITOV, A., tekhn. red.

[Determining and evaluating the results of coal treatment
on coal preparation machines] Opriselenie i otsenka re-
zul'tatov obogashcheniya na ugleobogatitel'nykh mashinakh.
Moskva, Gosgortekhizdat, 1963. 165 p. (MIRA 16:12)
(Coal preparation plants--Equipment and supplies)

VERKHOVSKIY, I.M., prof., doktor tekhn.nauk

"Preparation of coal and nonmetallic minerals in heavy suspensions" by I.Z.Margolin. Reviewed by I.M.Verkhovskii.
Ugol' 37 no.2:61-62 F '62. (MIRA 15:2)

(Coal preparation)
(Nonmetallic minerals)
(Margolin, I.Z.)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV,
Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsenzent;
PREYGERZON, G.I., dots., retsenzent; IUDENKO, K.G., dots.,
retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, retsenzent;
RYKOV, N.À., otv. red.; GARBER, T.N., red. izd-va; IL'INSKAYA,
G.M., tekhn. red.

[Crushing, milling, and screening minerals] Droblenie, izmel'-
chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gosgor-
tekhizdat, 1961. 384 p. (MIFA 15:9)
(Ore dressing)

VERKHOVSKII, I.M.; SHOKHIN, V.N.

Determining the boundary dimensions of a grain moving in a
suspension. Obog. rud 4 no.6:3-7 '59. (MIRA 14:8)

1. Moskovskiy Gornyy institut imeni I.V. Stalina.
(Particle size determination)
(Hydrometallurgy)

VERKHOVSKIY, I.M.; SHOKHIN, V.N.

Movement of mineral grains in suspensions. Obog. rud 3 no.6:16-20
'58. (MIRA 14:8)
(Ore dressing)

ANDREYEV, Sergey Yefimovich; ZVEREVICH, Viktor Vladimirovich; PEROV,
Valentin Aleksandrovich; VERKHOVSKIY, I.M., prof., retsen-
zent; PREYGERZON, G.I., dots., retsenzent; PUDENKO, K.G.,
dots., retsenzent; OLEVSKIY, V.A., kand. tekhn. nauk, re-
tzenzent; RYKOV, N.A., otv. red.; GARBER, T.N., red. izd-va;
IL'INSKAYA, G.M., tekhn. red.

[Crushing, milling, and screening of minerals] Droblenie, iz-
mel'chenie i grokhochenie poleznykh iskopaemykh. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 334 p.
(MIRA 15:3)

(Ore dressing)

VERKHOVSKIY, I.M.; GORBACHEV, V.S.; SMIRNYAKOV, V.V.

Use of hydrocyclones for the purification of drilling fluids in
shaft sinking operations. Nauch. trudy MGI no. 32:113-120
'60. (MIRA 14:2)

(Separators (Machines)) (Drilling fluids)

VERKHOVSKIY, I.M., prof., doktor tekhn.nauk; SHINKORENKO, S.F., gornyy inzhener

Aerodynamic conditions and effect of the artificial bed and
screen vibration on the pneumatic jigging of fine coal. Ugol'
35 no. 4:40-45 Ap '60. (MIRA 14:4)

1. Moskovskiy gornyy institut imeni I.V. Stalina.
(Coal preparation plants--Equipment and supplies)

VERKHOVSKIY, I.M.; BRILLIANTOV, V.V.

Calculating the performance parameters of an air-driven pulsating
jig. Nauch. trudy MGI no. 32:72-78 '60. (MIRA 14:2)
(Ore dressing—Equipment and supplies)

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1. Moskovskiy gornyy institut. Predstavlena kafedroy obogashcheniya
polesnykh iskopayemykh Moskovskogo gornogo instituta imeni I.V.
Stalina.
(Ore dressing)

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ABSTRACT: Remarks of I.M. Verkhovskiy, Doctor of Technical Sciences, Professor - Chair of Beneficiation of Minerals of the Moscow Mining Institute (Moskovskiy gornyy institut) on the paper by L.A. Lur'ye and B.M. Ravich "The Production of Metallurgical Coke from Brown Coals of the Northern Kazakhstan", Koks i Khimiya, 1956, No.8, expressed in his letter to the editor are outlined. Verkhovskiy considers that the conclusions of the authors are premature.

In the letter of B.A. Gess, scientific worker of the Institute of Metallurgy of the Ac.Sc. USSR (Institut metallurgii AN SSSR) it is pointed out that the results of tests of briquettes in the above Institute quoted by the authors are not correct. The authors of the paper agreed with some critical remarks, but pointed out the importance of the problem. It is pointed out in the editorial note that the paper was published in view of the importance of the problem and the need for an exchange of views on the subject.

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MAN'KOVSKIY, G.I., doktor tekhn.nauk; VERTHOVSKIY, I.M., doktor tekhn.
nauk; IAVROVA, S.N., kand.geol.-miner.nauk; BARANOVSKIY, Yu.V.,
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(Ore dressing) (Radioisotopes--Industrial applications)